

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 2000144033
PUBLICATION DATE : 26-05-00

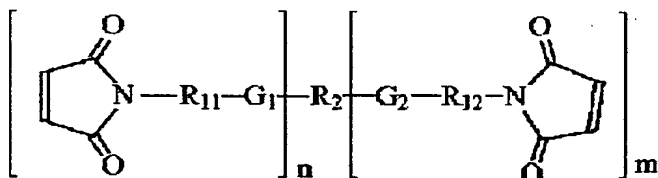
APPLICATION DATE : 13-11-98
APPLICATION NUMBER : 10322736

APPLICANT : DAINIPPON INK & CHEM INC;

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INT.CL. : C09D 11/10 C08G 18/83 C08G 64/42
C09D167/07 C09D171/00 //
C08F290/06 C08F299/02

TITLE : ACTIVE ENERGY BEAM CURABLE INK
CONTAINING MALEIMIDE DERIVATIVE
AND CURING OF THE CURABLE INK



ABSTRACT : PROBLEM TO BE SOLVED: To obtain an ink having an appropriate viscosity, which is curable at practical levels of light intensity and light irradiation without use of a photopolymerization initiator, by using a maleimide derivative.

SOLUTION: A maleimide derivative of the formula is used. In the formula, (m) and (n) are, respectively, 0 to 6; m+n is 1 to 6; R₁₁ and R₁₂ represent each independently a hydrocarbon bond made of an aliphatic group and/or an aromatic group; G₁ and G₂ represent each independently a (poly)ether bond linkage or a (poly)ether residue, a (poly)ester linkage or a (poly)ester residue, a (poly)urethane linkage or a (poly)urethane residue, or a (poly)carbonate linkage or a (poly)carbonate residue, each combined through a bond selected from an ether bond, an ester bond, a urethane bond and a carbonate bond. The maleimide derivative of the formula may be used in combination with a compound copolymerizable with the maleimide group of the maleimide derivative of the formula.

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